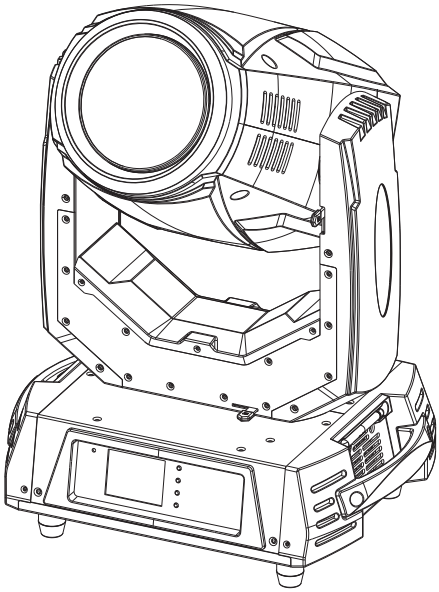
USER MANUAL

V1.0

52x30mm(掏空)
4R-10



Moving head

·Professional stage lighting equipment

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1.Open–Package guidelines

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using inform ation of this products.Please according to this manual's relative speaking when using this equipment.

This equipment was made of new style,high intensity plastic. It fully shows the modem times light charac teristic with beauty struture. And it was made according to CE standard. Fully up the internation standard of DMX512 agreement. Master or slave in phase ntrol.Can be use in large entertainment theater, performing and palying hall erc.

When receive the product, please be careful to take and put, check if the product has damage or not because of transportation, and check the following parts:

1.Signal cable-1PC
2.Safty cable-1PC
3.User Manval-1PC
4.Omega holder-2PCS
5.Power cable-1PC
5.Service card-1PC

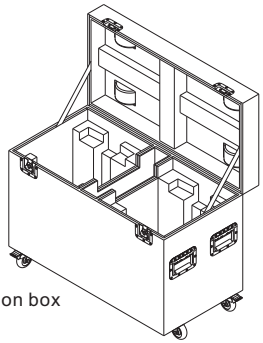
1.1 Package

Unpacking the fixture

1.Open the flight case couer
2.With one person on each side, lift the fixture out of the flight case.
3.Unlock pan and tilt before operating fixture

Packing the fixture

1.Disconnect the fixture from power and allow it to cool.
2.lock head and arms as figure.
3.Place the fix ture in the bottom of the flight case, and cover the case without forcing.



Aviation box

2.Safety instructions

Every person involved with installation and maintenance of this device have to:
- be qualilfied
- follow the instructions of this manualentertainment theater,performing and palying hall etc.

CAUTION!
Be careful with your operations.
With a high voltage you can suffer
a dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. In order to maintain this condition and toen-sure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Important:

- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.
- Never let the power-cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Make sure that the available voltage is not higher than stated on the rear panel.
- Always plug in the power plug least. Make sure that the power-switch is set to off-position before you co nnections with the mains with particular caution!
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the decice and the power-cord from time to time.
- Always disconnect from the mains, when the device is not in use or before cleaning it.
- Only handle the power-cord by the plug. Never pull out the plug by tugging the powercord.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The electric connection, repairs and servicing must be carried out by a qualified employee.
- Do not connect this device to a dimmer pack.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life. rly mean that the device is defective.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)!
- For replacement use lamps and fuses of same type and rating only.

CAUTION ! EYEDAMAGES !
Avoid looking directly into the light source
(meant especially for epileptics) !

➢ **Installation**
Make sure all parts for fixing the projector are in a good state of repair.
Make sure the point of anchorage is stable before positioning the projector.
The safety chain must be properly hooked onto the fitting and
secured to the framework, so that, if the primary support system fails, the fitting falls as little as possible. If the safety chain gets used, it needs to be replaced with a genuine spare.

➢**Minimum distance of illuminated objects**
The projector needs to be positioned so that the objects hit by the beam of light are at least 12 metres from the lens of the projector.

➢**Minimum distance from flammable materials**
The projector must be positioned so that any flammable materials are at least 12 metres (8") from every point on the surface of the fitting.

➢**Mounting surfaces**
It is permissible to mount the fitting on normally flammable surfaces.

➢**Maximum ambient temperature**
For the fitting to operate well and reliably, the ambient temperature should not exceed 40°C (104°F).

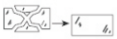
➢**Protection against electrical shock**
Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1).
It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

➢**Hooking up to the supply mains**
Connection to the electricity mains must be carried out by a qualified electrical installer.
Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.
This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

t_c 80°C

➢**Temperature of the external surface**
The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 80°C (176°F).

➢**Maintenance**
Before starting any maintenance work or cleaning the projector, cut off power from the mains supply.
After switching off, do not remove any parts of the fitting for at least 10 minutes. After this time the likelihood of the lamp exploding is virtually nill. If it is necessary to replace the lamp, wait for another 15 minutes to avoid getting burnt.



The fitting is designed to hold in any splinters produced by a lamp exploding. The lenses must be mounted and, if visibly damaged, they have to be replaced with genuine spares.

➢**Lamp**
The fitting mounts a high-pressure lamp that needs an external igniter. This igniter is fitted onto the apparatus.
- Carefully read the "operating instructions" provided by the lamp manufacturer.
- Immediately replace the lamp if damaged or deformed by heat.

3. Operating determinations

➢This device is a moving-head for creating decorative effects and was designed for indoor use only.
➢If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
➢Never run the device without lamp!
➢Do not shake the device. Avoid brute force when installing or operating the device.
➢Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
➢When choosing the installation-spot, please make sure that the device is not exposed to heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!
➢The minimum distance between light output and the illuminated surface must be more than 1.5 meters.
➢Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fix-ture.

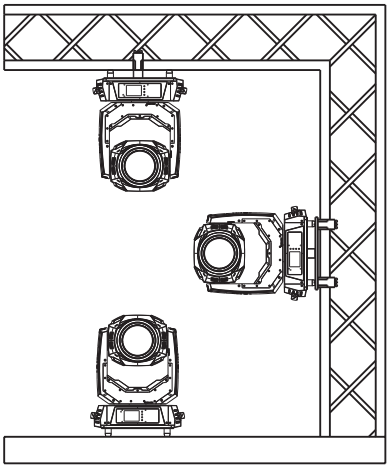
- Always fix the fixture with an appropriate safety rope. Fix the safety rope at the correct holes only.
- Operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastend.
- The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps may explose and emit a high ultraviolet radiation, which may cause burns.
- The maximum ambient temperature 40°C must never be exceeded.
- Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!
- Please use the original packaging if the device is to be transported.
- Please consider that unauthorized modifications on the device are forbidden due to safety reasons!
- If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, burns due to ultraviolet radiation, lamp explosion, crash etc.

The lamp used in this projector is a discharge lamp.After switching off don't attempt to restart the projector until la mp has cooled,this will require approx 15 minutes.Switc hing the lamp on and off at short intervals will reduce the life of both the lamp and the projector.But occasional bre aks will prolong the lamp and projector

4.Rigging the fixture

4. 1 Mounting

－The FIXTURE can by installed in any position.



Pay attention to the regulations of CE

The installation shall be done by qualified staff only

☞For the various mounting positions of the FIXTURE (standing on the floor, sideways or hanging) different accessories kits are available.
☞Through this a safe and firm installation is assured.
☞You'll find special connectors on the bottom side of the system which are put to use here.
☞In addition the front side of the system is marked with (FRONT) as this is important for a even orientation during installation.

4. 2 Installing the Clamps

－DANG ER TO LIFE Please consider the respective national norm s during the Installation! The installation must only be carried out by an authorized dealer!

－The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

－The installation must always be secured with a secondary safety attachment, e.g. An appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall n if the main attachment fails.
－W hen rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

－The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

－The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course of an acceptance test.

－The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

－The projector should not be installed outside areas where persons m ay walk by or be seated.

－Impor tank! Overhead rigging requires extensive experingCE, including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

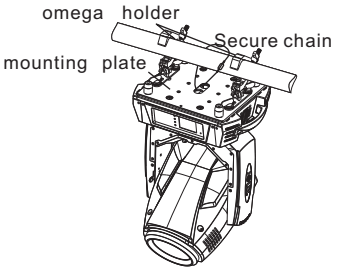
－The projector has to be installed out of the reach of people.

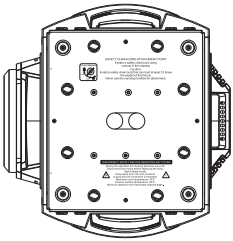
－If the projector shall be lowered from the ceiling or high joists, professional trussing system s have to be used. The projector must never be fixed swinging freely in the room .

－Caution Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the projector!

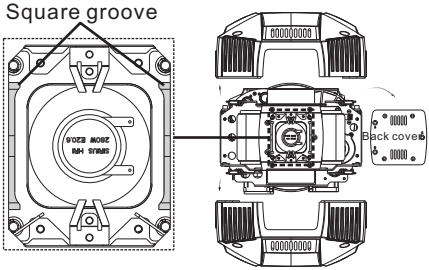
－The projector can be placed directly on the stage floor or rigged in any orientation on atruss without altering its operation characteristics.

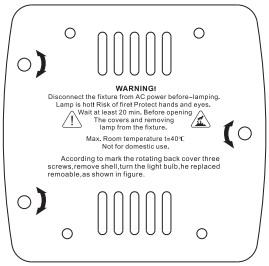
－For overhead use, always install a safety-rope that can hold at least 10 times the weight of the fixture. You must only use safety-ropes with screw on carabines. Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc.





5) according to the three screws broke open the back cover back cover screen printing signs, reversing lamp can be removed for replacement. With "—" word screwdriver tools in the rectangular slot (grey area) strike on the edge of the lamp holder, can adjust the light bulb location. As shown in figure;




WARNING!
Disconnect the fixture from AC power before-lamping.
Lamp is hott Risk of firet Protect hands and eyes.
Wait at least 20 min. Before opening
The covers and removing
lamp from the fixture.
Max. Room temperature ta40℃.
Not for domestic use.
According to mark the rotating back cover three
screws,remove shell,turn the light bulb,he replaced
remcable,as shown in figure.

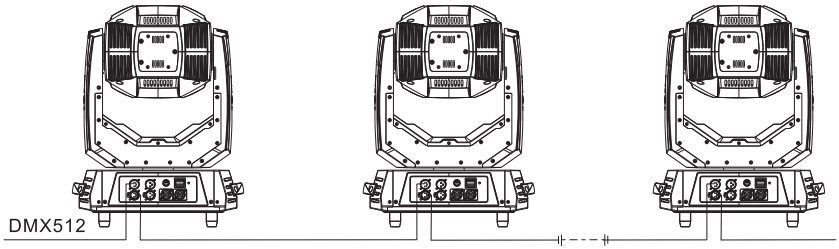
4.3 POWER Connection

If you wish to change the power supply settings,see the chapter Appendix
Connect the fixture to the mains with the enclosed power cable and plug.
The earth has to be connected!

Cable（EU）	Cable（US）	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

DMX-512 Connection

DMX-512 connection/connection between fixtures
Only use stereo shieded cable and 3-pin XLR-plugs and connectors in order to connect.



Caution
At the last fixture,the DMX-cable has to be terminated with a terminatou. solder a 120 resistor between signal(-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX output
3-Pin XLR Socket

DMX iutput
3-Pin XLR Socket

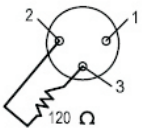
1: Ground
2: Signal(-)
3: Signal(+)

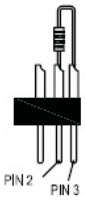
DMX output
5-Pin XLR Socket

DMX iutput
5-Pin XLR Socket

1: Ground
2: Signal(-)
3: Signal(+)
4: N. A.
5: N. A.

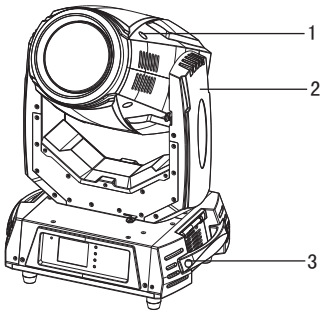
DMX Terminator Diagram





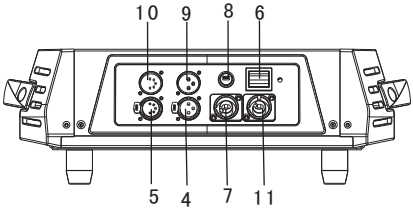
- For installations where the DMX cable has to run a long distance or is in an electrically noisy environment it is recommended to use a DMX terminator. This help in preventing corruption of the signal by electrical noise. The DMX terminator is simply an XLR plug with a 120Ω resistor connected between pins 2 and pins 3, which is then plugged into a the output XLR socket of the last if xture in the chain.

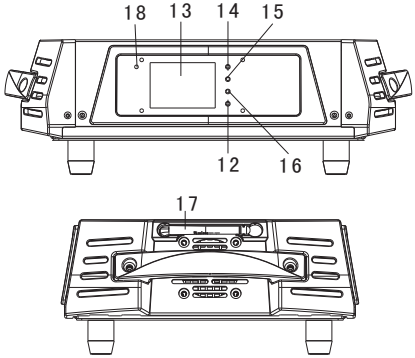
5.Description of the device



1. HEAD
2. ARM
3. BASE

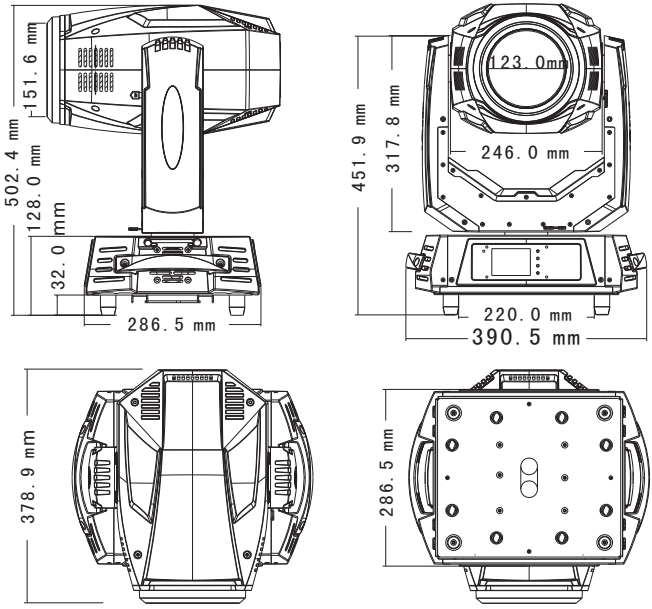
4. 3-pin XLR female
5. 5-pin XLR female
6. power switch
7. power-in
8. Insurance seat
9. 3-pin XLR male
10. 5-pin XLR male
11. Power-out





12. ENTER button
13. Touch screen(LCD display)
14. MODE button
15. UP button
16. DOWN button
17. WDMX wire
18. WDMX pilot hole

6.Dimension



7.Display control

7.1 Navigation in the Menu

Using the buttons or touch screen,and this can be simply and easily set the address code and functions code.

If you view or modify the lighting feature set, then press ENTER button, the display will enter the menu interface. Both there is sub menu corresponding to the functional operation of the main menu. Each of the menus is representative of the specific features of the lamp. The specific contents shows as the table menu below.

Set or browse lighting function, press UP or DOWN button.

Press ENTER to save your changes or enter the submenu. Press the UP or DOWN can change the numerical (increase or decrease in value).

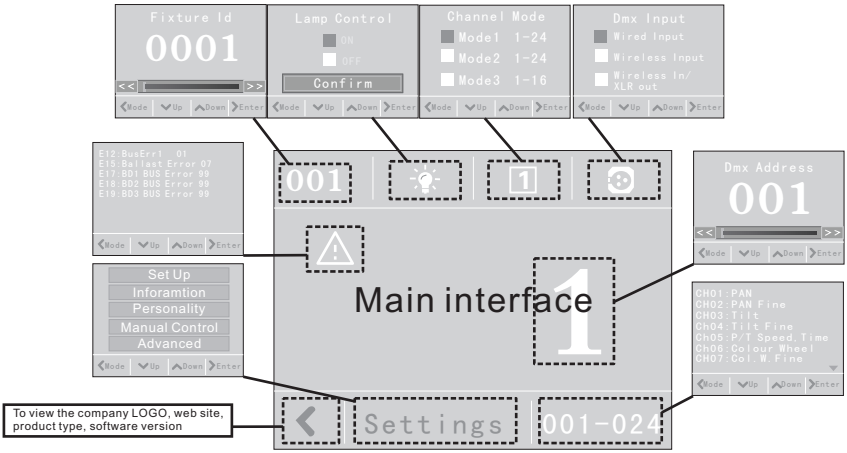
Press the MODE button to return to menu. Set a time 0 to 10 minutes automatically exit menu interface and close the screen.

7.2 Display Operation

Put through power supply, open the power switch of lamps and lanterns, display shows the company LOGO website. According to the main interface, as shown in figure:

In the main interface, press "MODE" button to view the software version, press the "UP" "DOWN" can modify the DMX address, in the batteries Condition long press "ENTER" key, can view the battery usage.

If the screen " " icon is green, said DMX signal connection is normal, this state can be used to check the-lamps and lanterns and connection between the control table is normal.



Click on the main interface of the icon, numerical to view view Settings related information of lamps and lanterns. Symbols such as the main interface appear " ⚠ " , the following error message indicates that there might be a lamps and lanterns, can click to view and control information content to modify the lamps and lanterns.

CODE	ERROR MESSAGE	NAME	MEANS
E14	SPDError	Wrong setting parameters (automatic recovery) EOL	Reset all setting parameters
E15	Ballast Error	Ballast error	Check whether the rectifier control line is wrong, change the rectifier
E16	MFpga Error	Master control chip error	Change the main control chip or change the display board semi-finished products
E17	BD1 BUS Error	To scan the communication error	Look for virtual communication signal lines, communication chip welding or short circuit
E18	BD2 BUS Error	Scanning to the driven plate 1 communication error	
E19	BD3 BUS Error	Drive plate 1 to drive plate 2 communication error	
E21	Pan FB. Err	Levels of light coupling error	Check that the light coupling line, optical coupling switch and a plate of the relative position measurement

E22	Pan Zero Err	Level of magnetic susceptibility (origin) error	Check line magnetic susceptibility, magnets and magnetic susceptibility of distance and location, have the magnet
E23	Tilt FB. Err	The vertical light coupling error	Check that the light coupling line, optical coupling switch and a plate of the relative position measurement
E24	Tilt Zero Err	Vertical magnetic susceptibility (origin) error	Check line magnetic susceptibility, magnets and magnetic susceptibility of distance and location, have the magnet
E25	6 Prism Err1	Six prism magnetic susceptibility (origin) error	
E26	6 Prism Err2	Six prism rotation of magnetic susceptibility (origin) error	
E27	8 Prism Err1	Eight prism magnetic susceptibility (origin) error	
E28	8 Prism Err2	Eight prism rotation of magnetic susceptibility (origin) error	
E29	R.Gobo Err1	Rotate magnetic susceptibility (origin) error	
E30	R.Gobo Err2	Rotating magnetic susceptibility patterns (origin) error	
E31	Zomm Err	Amplification of magnetic susceptibility (origin) error	
E32	Focus Err	Focusing magnetic susceptibility (origin) error	
E33	St.Gobo Err	Fixed plate of magnetic susceptibility (origin) error	
E34	ColourW. Err	Color piece of magnetic susceptibility (origin) error	
E35	Hot Err	Heat insulation motor/magnetic susceptibility (origin) error	Check the line of magnetic susceptibility, magnets and magnetic susceptibility of distance and location, is there a magnet, the motor line ever.

7.3 Menu Maps

Set up	Dmx Address	001~XXX
	Channel Mode	Mode1 1~24
		Mode2 1~24
		Mode3 1~16
	Fixture Id	0001~XXXX
Information	Fixture Times	XXXXX h XX m
	Lamp Times	Lamp On Times XXXXh XXm
		Lamp Strike XXXX
		Reset Lamp Time
	Error List	
	Diagnosis	BOARD 1: XX.XX%
		BOARD 2: XX.XX%
		BOARD 3: XX.XX%
	Fans Monitor	
	DMX Values	
Personality	Lamp	Power ON Light ON/OFF
		lamp on by DMX ON/OFF
		Lamp ON Delay 0~60m
	Pan/Tilt	Pan Reverse ON/OFF
		Tilt Reverse ON/OFF
		Feedback ON/OFF
	Dmx Input	Wired Input
		Wireless Input
		Wireless In/XLR out
	BlackOut	P/T Moving ON/OFF
		Colour Moving ON/OFF
		Gobo Moving ON/OFF
	Screen	Brightness
		Screen Time 0-10m
		Touch Screen ON/OFF
		Auto Screen ON/OFF
Manusl Control	Lamp	Lamp Control ON/OFF
		Confirm
	Reset	Reset ALL
		Reset Pan/Tilt
		Reset Colour
		Reset Gobo
		Reset Other
	Channel	
Advanced	Calibration	
	Factory Default	
	Touch Calibration	

8.DMX protocol

Mode1	Mode2	Mode3	Name	Function	DMX Value
1	1	1	Pan	PAN 8BIT	0–255
2	2		Pan Fine	PAN 16BIT	0–255
3	3	2	Tilt	TILT 8BIT	0–255
4	4		Tilt fine	TILT 16BIT	0–255
5	5	3	Pan/Tilt speed Pan/Tilt time	Speed from max. to min.	2–255
				Continual positioning	
				Open/white	0–2
				Deep Red	3–11
				Deep Blue	12–20
				Yellow	21–29
				Magenta	30–38
				Azure	39–47
				Red	48–56
				Dark green	57–66
				Amber	67–75
				Blue	76–84
				Orange	85–93
				CTO	94–102
				UV filter	103–111
				White	112–120
				Positioning	
6	7	4	Colour wheel	Deep Red	130–134
				Deep Blue	135–138
				Yellow	139–143
				Green	144–147
				Magenta	148–152
				Azure	153–157
				Red	158–161
				Dark green	162–166
				Amber	167–171
				Blue	172–176
				Orange	177–180
				CTO	181–185
				UV filter	186–189
				Forwards rainbow effect from fast to slow	190–215
				No rotation	216–217
				Backwards rainbow effect from slow to fast	218–243
				Reserved	244–249
				Auto random colour selection from fast to slow	250 – 255
7	8		Colour wheel–fine positioning	Fine positioning	0–255
				Open/hole	0–3
				Positioning	
				Gobo 1	4–9
				Gobo 2	10–15
				Gobo 3	16–21
				Gobo 4	22–27
				Gobo 5	28–33
				Gobo 6	34–39
				Gobo 7	40–45
				Gobo 8	46–51
				Gobo 9	52–57
				Gobo 10	58–63
				Beam reducer 1	64–69
				Beam reducer 2	70–75
				Beam reducer 3	76–81
				Beam reducer 4	82–87
				Shaking gobos from slow to fast	
				Gobo 1	88–95
8	10	5	Static gobo wheel	Gobo 2	96–103
				Gobo 3	104–111
				Gobo 4	112–119
				Gobo 5	120–127
				Gobo 6	128–135
				Gobo 7	136–143
				Gobo 8	144–151
				Gobo 9	152–159
				Gobo 10	160–167
				Beam reducer 1	168–175
				Beam reducer 2	176–183
				Beam reducer 3	184–191
				Beam reducer 4	192–199
				Open/hole	200–201
				Forwards gobo wheel rotation from fast to slow	202–221
				No rotation	222–223
				Backwards gobo wheel rotation from slow to fast	224–243
				Reserved	244–249
				Auto random gobo selection from fast to slow	250–255

9	11	6	Rotating gobo wheel	In the range of 0–59 DMX the gobo selection speed is controlled by the Effecf speed chanel	
				Index – set indexing on channel 12/9/17	
				Open/Hole (default)	0
				Hole (flat field)	1–4
				Gobo 1	5–7
				Gobo 2	8–10
				Gobo 3	11–13
				Gobo 4	14–16
				Gobo 5	17–19
				Gobo 6	20–22
				Gobo 7	23–25
				Gobo 8	26–28
				Gobo 9	29–31
				Rotation – set rotation on channel 12/9/17	
				Gobo 1	32–34
				Gobo 2	35–37
				Gobo 3	38–40
				Gobo 4	41–43
				Gobo 5	44–46
				Gobo 6	47–49
				Gobo 7	50–52
				Gobo 8	53–55
				Gobo 9	56–59
				Shaking gobos from slow to fast	
				Index – set indexing on channel 12/9/17	
				Gobo 1	60–67
				Gobo 2	68–75
				Gobo 3	76–83
				Gobo 4	84–91
				Gobo 5	92–99
				Gobo 6	100–107
				Gobo 7	108–115
				Gobo 8	116–123
				Gobo 9	124–129
				Shaking gobos from slow to fast	
				Rotation – set rotation on channel 12/9/17	
				Gobo 1	130–137
				Gobo 2	138–145
				Gobo 3	146–153
				Gobo 4	154–161
				Gobo 5	162–169
				Gobo 6	170–177
				Gobo 7	178–185
				Gobo 8	186–193
				Gobo 9	194–199
				Open/hole	200–201
				Forwards gobo wheel rotation from fast to slow	202–221
				No rotation	222–223
				Backwards gobo wheel rotation from slow to fast	224–243
				Reserved	244–249
				Auto random gobo selection from fast to slow	250–255
10	12	7	Rot. gobo indexing and rotation	Gobo indexing – set position on channel 11/8/16	
				Gobo indexing	0–255
				Gobo rotation – set position on channel 11/8/16	
				No rotation	0
				Forwards gobo rotation from fast to slow	1–127
				No rotation	128 – 129
				Backwards gobo rotation from slow to fast	130–255
11	13		Rot. gobo indexing and rotation – fine	Fine indexing (rotation)	0–255
12	14	8	Prism	Open position (hole)	0–19
				6–facet linear rotating prism –indexing	20–49
				6–facet linear rotating prism– rotation	50–75
				8–facet circular rotating prism– Indexin	76–105
				8–facet circular rotating prism–rotation	106–127
				Prism/gobo macros	
				Macro 1	128–135
				Macro 2	136–143
				Macro 3	144–151
				Macro 4	152–159
				Macro 5	160–167
				Macro 6	168–175
				Macro 7	176–183
				Macro 8	184–191
				Macro 9	192–199
				Macro 10	200–207
				Macro 11	208–215
				Macro 12	216–223
				Macro 13	224–231
				Macro 14	232–239
				Macro 15	240–247
				Macro 16	248–255

13	15	9	Prism rotation and indexing	Prism indexing – set position on channel 14/10/19	
				Prism indexing	0–255
				Prism rotation – set position on channel 14/10/19	
				No rotation	0
				Forwards prism rotation from fast to slow	1–127
				No rotation	128–129
				Backwards prism rotation from slow to fast	130–255
14	16	10	Forst	Frost from 0% to 100%	0–255
15	17	11	Zoom	Zoom from max. to min.beam angle	0–255
16	18		Zoom fine	Fine zooming	0–255
17	19	12	Focus	Continuous adjustment from far to near	0–255
18	20		Focus fine	Fine focusing	0–255
19	21	13	Autofocus (priority & distance selection)	Select desired distance and effect on which you need to focus and use "Focus"channel(19/14/25)to focus the image	
				Autofocus Off	0
				Rotating gobos & Hole (flat field)	
				10 metres	1
				15 metres	8
				20 metres	16
				25 metres	24
				30 metres	32
				35 metres	40
				40 metres	48
				45 metres	56
				Static gobos & Hole (default)	
				10 metres	64
				20 metres	72
				30 metres	80
				40 metres	88
				50 metres	96
				60 metres	104
				70 metres	112
				80 metres	120
				Infinity	127
				Reserved	128–255
20	22	14	Strobe	Shutter closed (Lamp power reduced to 230 W)	0–31
				Shutter open, Full lamp power	32–63
				Strobe–effect from slow to fast	64–95
				Shutter open	96–127
				Opening pulse in sequences from slow to fast	128–143
				Closing pulse in sequences from fast to slow	144–159
				Shutter open	160–191
				Random strobe–effect from slow to fast	192–223
				Shutter open, Full lamp power	224–255
21	23	15	Dimmer	Dimmer intensity from 0% to 100%	0–255
22	24		Dimmer fine	Fine dimming	0–255
23	6	16	Power/Special functions	Reserved	0–9
				To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („ Shutter,Strobe " channel 22/15/27 must be at range: 0–31 DMX). Corresponding menu items are temporarily overriden except DMX Input.	
				DMX input: Wired DMX*	10–14
				DMX input: Wireless DMX*	15–19
				* Function is active only 10 seconds after switching fixture on	
				Eco mode (Lamp power 230W)	20–24
				Standard mode (Lamp power 280W)	25–29
				Reserved	30–49
				Pan/Tilt speed mode	50–59
				Pan/Tilt time mode	60–69
				Blackout while pan/tilt moving	70–79
				Disabled blackout while pan/tilt moving	80–89
				Blackout while colour wheel moving	90–99
				Disabled blackout while colour wheel moving step	100–109
				Blackout while gobo wheel moving step	110–119
				Disabled blackout while gobo wheel moving	120–129
				To activate following functions, stop in DMX value for at least 3 seconds:	
				Lamp On.reset(total reset except pan/tilt reset)	130–139
				Pan/Tilt reset	140–149
				Colour system reset	150–159
				Gobo wheels reset	160–169
				Dimmer/Shutter	170–179
				Zoom/focus/prism reset	180–189
				Reserved	190–199
				Total reset	200–209
				Reserved	210–229
				Lamp Off	230–239
				Reserved	240–255
24	9		Effect Speed	Speed of Rot. Gobo selection from max. to min.	0–255

9.Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning will not only ensure the maxim um light-output, but will also allow the fixture to function reliably through out its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circum stances should alcohol or solvents be used!

DANG ER : Disconnect from the mains before starting any maintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly

The gobos m ay be cleaned with a soft brush. The interior of the fixture should be cleaned at least annually usinga vacuum -cleaner or an air-jet.

The dichroic colour-filters, the gobo-wheel and the internal lenses should be cleaned monthly.

To ensure a proper function of the gobo-wheel , we recom m end lubrication in six month intervals. The quanity of oil must not be excessive in order to avoid that oil runs out when the gobo-w heel rotates.

There are no serviceable parts inside the device except for the lam p and the fuse.

Replacing the fuse
If the lam p burns out, the fine-w ire fuse of the device might fuse, too. Only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

10.Electric equipment specification

10.1 Electrical paramters

SOURCE:Osram sirius hri 280W E20.6(Osram sirius hri 280W R0)
POWER:400W
VOLTAGE:AC**100–240**V **50/60**HZ
Color Temperature：8000K

10.2 Weight and dimensions

Dimensions：390.5X286.5X502.4mm
NET WEIGHT:18.5KG
Dimensions（Paper skin）：606X416X466mm
WEIGHT（Paper skin）：23. 5Kg
Dimensions（Air boxes -2 lights）：957X497X737mm
NET WEIGHT/WEIGHT（Air boxes -2 lights）：34Kg/74. 5Kg

10.3 Channel Characteristics

1. Channel: **24/24/16** DMX.
2. Scan: Pan **540°** ,Tilt**260°** ,Scan speed adjustable.Fixture could auto reset.
3. Colour wheel：one open **+ 13**colors.
4. **R**Gobo wheel: one open **+ 9** gobos.
5. GoboR wheel: one open **+ 14** gobos, rainbow effect ,half-color effects.
6. Frost：linear frost
7. Focus: linear focus.
8. Shutter:Double motor stroboscopic, electronic shutter, random strobe.
9. Demmer: limear dimmer.
10. Prism system: prism effect, with rotating.
11. Zoom:linear amplifier.

10.4 Menu Function

1. touch screen，English menu.
2. Each DMX Value displayable.
3. Monitor could ON/OFF automatically.
4. Show fixture, lamp use time.
5. No signal, fixture status keep reset status, maintain status, AutoPlay procedure.
6. lamp on/ff when power on.
7. Screen rotation.
8. Auto error detection.
9. Wireless input,wired input,wirelss in/xlr out.
10. When dimmer is closed, it supports energy saving mode, power consumption of the bulb will be 80% less, which will prolong lifetime of the bulb and make it more stable
11. Remote ON by DMX.

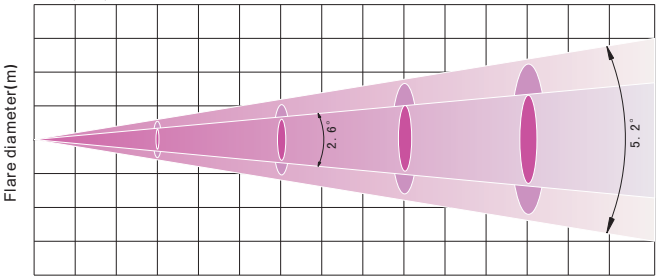
12. You can switch on and off the lamp via the control panel or via your DMX controller. It must be noted that it has to be cold before re-stricking.

13. Software upgrade function.

14.DMX signal after disconnecting display brightness alternately.

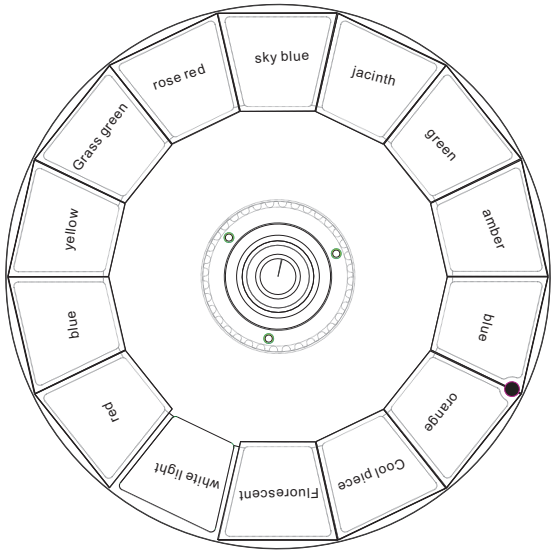
10.5 light table

light beam 2.6° Illuminance (Lux)	330600	82650	36733	20663
pattern 5.2° Illuminance (Lux)	25380	6345	2820	1586



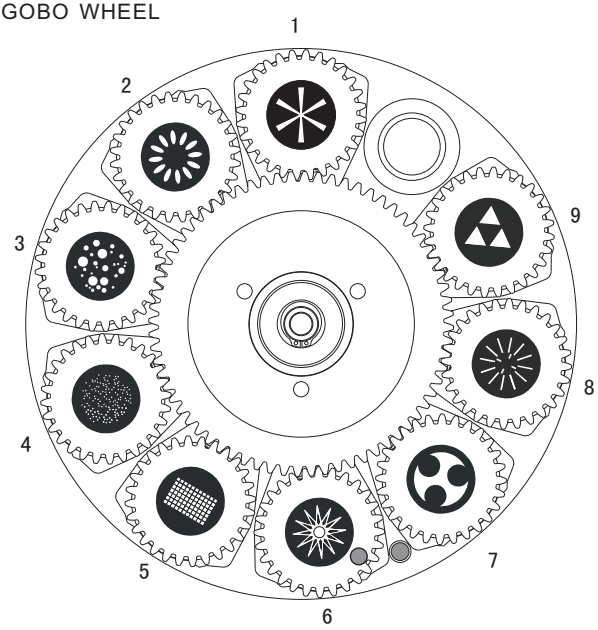
The design at the minimum Angle 5.2° Flare diameter(m)	Φ0.94	Φ1.9	Φ2.84	Φ3.80
Minimum Angle when the beam of light 2.6° Flare diameter (m)	Φ0.48	Φ0.94	Φ1.42	Φ1.88

10.6 Color disk

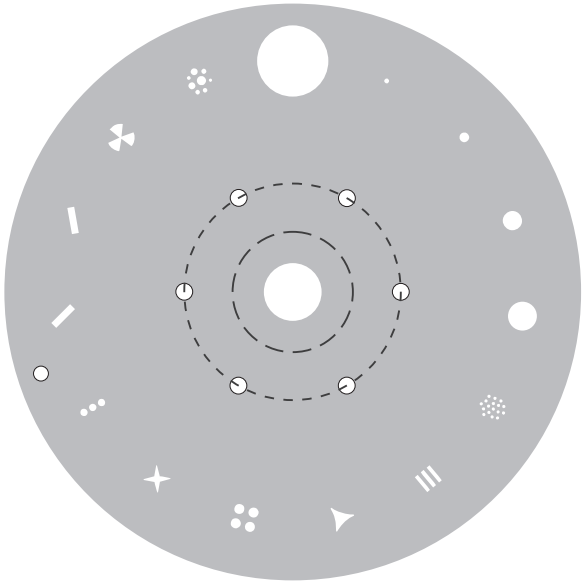


10.7 Gobo wheel

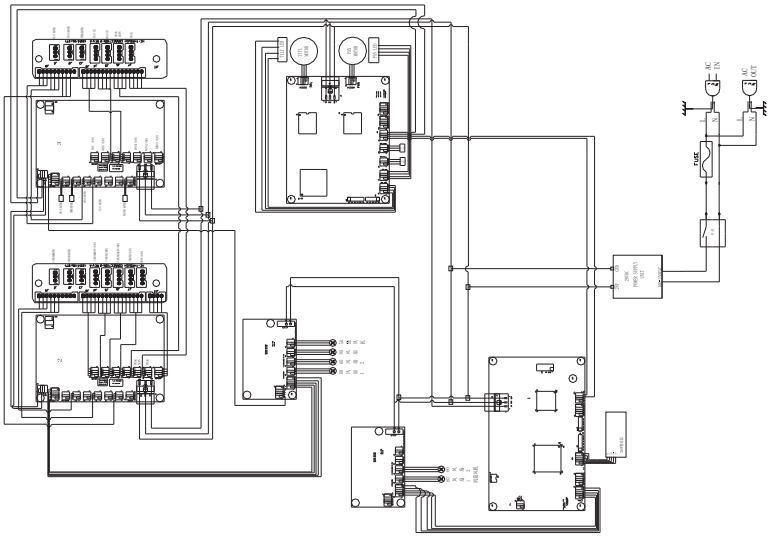
RGOBO WHEEL



GOBOR WHEEL
effective diameter5. 8mm



11.Electronic drawing



Note: The above information is for reference only, the final interpretation is belong to manufacturer.

MADE IN CHINA